

Title (en)
X-ray imaging system

Title (de)
Röntgenbildgebungssystem

Title (fr)
Système d'imagerie par rayons-X

Publication
EP 1722216 A2 20061115 (EN)

Application
EP 06001756 A 20060127

Priority
JP 2005140746 A 20050513

Abstract (en)
To obtain an image that uses both an accurate spatial differential of an object-caused phase shift and the phase shift as contrast at a small observation field of view and under a simplified apparatus configuration, a spatial differential of the object-caused phase shift and the phase shift are arithmetically obtained from the diffraction images of the object formed by simultaneous X-ray diffraction of crystals.

IPC 8 full level
G01N 23/207 (2006.01); **G03B 42/02** (2021.01); **G21K 1/06** (2006.01)

CPC (source: EP US)
A61B 6/00 (2013.01 - EP US); **A61B 6/484** (2013.01 - EP US); **A61B 6/502** (2013.01 - EP US); **G01N 23/207** (2013.01 - EP US);
A61B 6/4092 (2013.01 - EP US)

Citation (applicant)
• US 5850425 A 19981215 - WILKINS STEPHEN W [AU]
• EP 0784202 A2 19970716 - HITACHI LTD [JP]
• US 5930325 A 19990727 - MOMOSE ATSUSHI [JP]

Cited by
EP2009429A1; US7778389B2

Designated contracting state (EPC)
DE FR GB

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1722216 A2 20061115; **EP 1722216 A3 20100519**; CN 1860997 A 20061115; CN 1860997 B 20110105; JP 2006317305 A 20061124;
JP 4676244 B2 20110427; US 2006256918 A1 20061116; US 7346145 B2 20080318

DOCDB simple family (application)
EP 06001756 A 20060127; CN 200610002273 A 20060127; JP 2005140746 A 20050513; US 34052606 A 20060127